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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 050433.003

First Inventor Gregory A. Bergwin

Title Injection Apparatus for

Irrigation  
Systems

Express Mail Label No. EV 342455346 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 12]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table,  
or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 1]
5. Oath or Declaration [Total Sheets       ]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☒ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No.: .....

Prior application information:

Examiner

Art Unit:

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS



Customer Number:

OR

☐ Correspondence address below

Name James E. Bradley

Address Bracewell & Patterson, LLP  
P.O. Box 61389

City Houston

State TX

Zip Code 77208-1389

Country USA

Telephone 713-221-3301

Fax 713-221-1212

Name (Print/Type) Kimberly L. Brown

Registration No. (Attorney/Agent) 48,698

Signature

Kimberly L. Brown

Date 10/17/2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

22581 U.S. PTO  
10/688599

101703

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT (\$)** 385.00**METHOD OF PAYMENT** (check all that apply)☒ Check Enclosed☒ The Director is authorized to charge fee(s) indicated below, charge any additional fee(s) or any underpayment of fees, and credit any overpayments to:**DEPOSIT ACCOUNT NO.:** 50-0259 (050433.003)

Deposit Account Name:

**Bracewell & Patterson, L.L.P.****Compleat if Known**

Application Number	Unknown
Filing Date	Unknown
First Named Inventor	Gregory A. Bergwin
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	050433-000003

**FEE CALCULATION (continued)****3. Additional Fees**

Large Fee Code	Large Entity	Small Fee Code	Small Entity	Fee Description	Fee Paid
1051	\$ 130	2051	\$ 65	Surcharge - late filing fee or oath	\$
1052	\$ 50	2052	\$ 25	Surcharge - late provisional filing fee or cover sheet	\$
1053	\$ 130	1053	\$ 130	Non-English specification	\$
1812	\$2,520	1812	\$2,520	For filing a request for <i>ex parte</i> reexamination	\$
1804	\$ 920*	1804	\$ 920*	Requesting publication of SIR prior to Examiner action	\$
1805	\$1,840*	1805	\$1,840*	Requesting publication of SIR after Examiner action	\$
1251	\$ 110	2251	\$ 55	Extension for reply within first month	\$
1252	\$ 420	2252	\$ 210	Extension for reply within second month	\$
1253	\$ 950	2253	\$ 475	Extension for reply within third month	\$
1254	\$1,480	2254	\$ 740	Extension for reply within fourth month	\$
1255	\$2,010	2255	\$1,005	Extension for reply within fifth month	\$
1401	\$ 330	2401	\$ 165	Notice of Appeal	\$
1402	\$ 330	2402	\$ 165	Filing a brief in support of an appeal	\$
1403	\$ 290	2403	\$ 145	Request for oral hearing	\$
1451	\$1,510	1451	\$1,510	Petition to institute a public use proceeding	\$
1452	\$ 110	2452	\$ 55	Petition to revive - unavoidable	\$
1453	\$1,330	2453	\$ 665	Petition to revive - unintentional	\$
1501	\$1,330	2501	\$ 665	Utility issue fee (or reissue)	\$
1502	\$ 480	2502	\$ 240	Design issue fee	\$
1503	\$ 640	2503	\$ 320	Plant issue fee	\$
1460	\$ 130	1460	\$ 130	Petitions to the Commissioner	\$
1807	\$ 50	1807	\$ 50	Processing fee under 37 CFR 1.17(g)	\$
1806	\$ 180	1806	\$ 180	Submission of Information Disclosure Statement	\$
8021	\$ 40	8021	\$ 40	Recording each patent assignment per property (times number of properties)	\$
1809	\$ 770	2809	\$ 385	Filing a submission after final rejection (37 CFR 1.129(a))	\$
1810	\$ 770	2810	\$ 385	For each additional invention to be examined (37 CFR 1.129(b))	\$
1801	\$ 770	2801	\$ 385	Request for Continued Examination (RCE)	\$
1802	\$ 900	1802	\$ 900	Request for expedited examination of a design application	\$

Other Fee (specify) \_\_\_\_\_

Other Fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**FEE CALCULATION****1. Basic Filing Fee**

Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	\$770	2001	\$385	Utility Filing Fee	\$ 385.00
1002	\$340	2002	\$170	Design Filing Fee	\$
1003	\$530	2003	\$265	Plant Filing Fee	\$
1004	\$770	2004	\$385	Reissue Filing Fee	\$
1005	\$160	2005	\$ 80	Provisional Filing Fee	\$
				<b>Subtotal (1)</b>	<b>\$ 385.00</b>

**2. Extra Claim Fees for Utility and Reissue**

Claims	Extra	Fee (below)	Fee Paid
Total	20-20** = 0	x \$	= \$
Indep.	3- 3** = 0	x \$	= \$
Multiple Dependent			\$

\*\*or number previously paid, if greater

For Reissues, see below

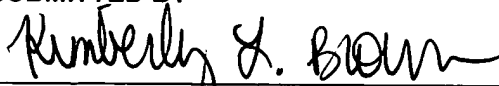
Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description
\$ 18	\$ 9	Claims in excess of 20
\$ 86	\$ 43	Independent claims in excess of 3
\$290	\$145	Multiple dependent claim, if not paid
\$ 86	\$ 43	**Reissue independent claims over original patent
\$ 18	\$ 9	**Reissue claims in excess of 20 and over original patent

**Subtotal (2)**

\$

**Subtotal (3)**

\$

**SUBMITTED BY**


Kimberly L. Brown Reg. No. 48698

BRACEWELL &amp; PATTERSON, L.L.P.

P. O. Box 61389, Houston, Texas 77208-1389

Telephone: (713) 221-1189 Fax: (713) 437-5313

Date: October 17, 2003

**CERTIFICATE OF EXPRESS MAIL UNDER 37 CFR § 1.10**

I, Carol Teufel, hereby certify that this correspondence and its attachments are being deposited with the United States Postal Service as Express Mail, Express Mail Label No. EV 342455346 US, in an envelope on the date indicated, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: *Carol Teufel*

Date: 10/17/03

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Gregory A. Bergwin, et al.

Serial No.: To be assigned

Filed: Herewith

For: INJECTION APPARATUS FOR  
IRRIGATION SYSTEMS

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Docket No.: 050433.000003

Art Unit: To be assigned

Examiner: To be assigned

**TRANSMITTAL LETTER**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following documents:

1. Patent Application;
2. One sheet of formal drawings;
3. Utility Patent Application Transmittal;
4. Fee Transmittal and check for \$385.00;
5. Information Disclosure Statement Under 37 C.F.R. § 1.97;
6. Form 1449A and copies of two references;
7. Certificate of Express Mail Under 37 CFR 1.10; and
8. Our return postcard, which we would appreciate your date-stamping and returning to us upon receipt.

I hereby authorize the Commissioner for Patents to charge any fees that may be required or credit any overpayment to Bracewell & Patterson Deposit Account No. 50-0279 (050433.000003).

Respectfully submitted,

Date: October 17, 2003

*Kimberly L. Brown*  
Kimberly L. Brown, Reg. No. 48,698  
BRACEWELL & PATTERSON, L.L.P.  
P.O. Box 61389  
Houston, Texas 77208-1389  
(713) 223-2900  
ATTORNEY FOR APPLICANTS